

STEREO MOC Status Report  
Time Period: 2012:100 - 2012:106

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:
  - On day 103, during the DSS-55 support, turbo decoder lock was lost briefly at 0604z. This anomaly resulted in the loss of one frame of SSR data. See DR# N108033 for more information.
  - On day 105, during the DSS-14 support, ranging was enabled late at 1822z. This anomaly resulted in the loss of 14 minutes of ranging data. All SSR data was recovered. See DR# G112574 for more information.
2. The following spacecraft/instrument events occurred during this week:
  - The average daily SSR playback volume for Ahead was 5.1 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:
  - On day 100, during the DSS-15 support, turbo decoder lock was lost briefly at 0106z. This anomaly resulted in the loss of one frame of SSR data. See DR# N108027 for more information.
  - On day 105, during the DSS-63 support, turbo decoder lock was lost briefly at 1421z. This anomaly resulted in the loss of two frames of SSR data. A DR has been requested.
  - On day 106, during the DSS-14 support, telemetry lock was lost at 1931z as the antenna stopped tracking. Subsequently, the antenna was declared red due to a hydraulic leak and the remainder of the track was lost. During the next support, SSR pointers were repositioned to minimize data loss. This anomaly resulted in the loss 3.7 hours of command and tracking data and up to 24 hours of

SSR data for each instrument. See DR# G112581 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 102, the 40<sup>th</sup> momentum dump was successfully executed at 1500Z, which imparted a delta V of 0.0687 m/sec.
- The average daily SSR playback volume for Behind was 4.4 Gbits during this week.